

**Amendments to the Claims:**

A clean version of the entire set of pending claims (including amendments to the claims, if any) is submitted herewith per 37 CFR 1.121(c)(3). This listing of claims will replace all prior versions, and listings, of claims in the application.

**Listing of Claims:**

1. (Canceled)
2. (Currently amended) The sensor of claim ~~[[1]]~~ 3, wherein the first and the second electrode ~~(3, 4)~~ electrodes are interdigitated electrodes.
3. (Currently amended) The A sensor of ~~claim 1 where the sensor comprises~~ comprising a substrate and a plurality of individually addressable resonators, each of the resonators comprising:  
an acoustic reflector;  
first and second resonator electrodes;  
a piezoelectric layer separated from the substrate by the acoustic relector; and  
a sensing layer at least partly covering the first and second resonator electrodes,  
wherein the first and second resonator electrodes are on the same side of the piezoelectric layer.
4. (Currently amended) The sensor of claim 3, wherein the sensing layers ~~(6) of the different~~ corresponding to the plurality of resonators comprise different materials.